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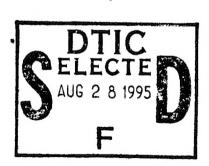
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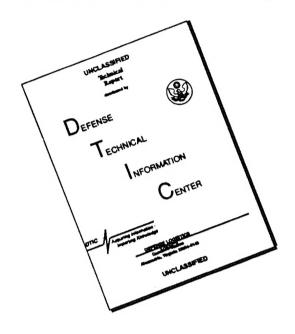
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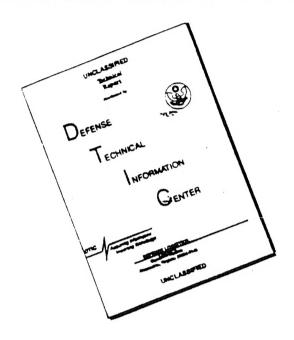


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INTRODUCTION

The Research Proposal Quarterly Status Report is published quarterly (March, June, September, and December) by the Air Force Office of Scientific Research (AFOSR). It lists all the research proposals received by AFOSR during the past six months along with the action taken (Initiated, Declined or Withdrawn on each report. The report is divided into two parts. The Institution Index lists proposals alphabetically by institution. This is followed by a more detailed listing by Directorate, and by Program Manager within the Directorate.

PURPOSE

AFOSR and the action taken on these proposals. Readers must keep in mind that declined proposals should not necessarily be considered as scientifically unacceptable; many declinations result from a lack of funds or This report is designed to inform other Government sponsoring agencies of the proposals received by the as a result of special programatic emphasis.

AFOSR MISSION

The Air Force Office of Scientific Research (AFOSR) is the single manager of the Air Force Defense Research Sciences Program (Program Element 61102F) and the primary Air Force agency for the extramural support of fundamental scientific research. To sponsor and sustain basic research and ensure access to research results in support of the Air Force goals of control and maximum utilization of air and space. organized under the Director, Science and Technology, Air Force Materiel Command.

originating from scientists investigating problems involving the search for new knowledge and the expansion AFOSR awards grants and contracts for research in areas of science relevant to the needs of the Air Force. Research is selected for support from proposals received in response to the Broad Agency Announcement of scientific principles. Selection is on the basis of scientific potential for improving Air Force operational capabilities, originality, significance of science, the qualification of the principal investigators, and the reasonableness of the proposed budget.

KEY TO READING THE DATA

Title - The title of the research proposal.

Institution - The organization, (e.g., college/university, company) at which the research will be conducted.

Investigator - The Principal Investigators proposing the research

Type - N indicates a new research effort.

- R indicates a continuation of an ongoing research effort.

Months - The duration of the research proposal.

Received - The month and year in which the AFOSR received the proposal.

Amount - The funds requested of the AFOSR for support of the research proposal.

- A = ACCEPTED indicates that the review has been completed and the proposal recommended for funding.

D = DECLINED indicates the proposal has been reviewed but will not be funded by the AFOSR.

- BLANK SPACE = indicates the proposal is being reviewed.

W = WITHDRAWN indicates that the proposal submitted was removed from further consideration at proposer's request. Program Manager - The AFOSR scientific staff member assigned the responsibility for the technical evaluation of the proposal

Proposal # - An AFOSR Directorate assigned control number to uniquely identify the research proposal.

Initiate - The proposal has been recommended to the AFOSR Directorate of Contracts for the amount and duration.

Start Date - The recommended date for commencement of the research.

Total Amount - The estimated number of dollars recommended for support of the research effort; the actual amount is subject to negotiation. PART 1

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 DURIP95 ADVANCED PULSED LASER DEPOSITION SYSTEM WITH IN-SITU ELLIPSOMETRIC DIASNOSTICS Univ of Michigan 	2eter	N 12 18/05/95 \$101,166	A PECHENIK 95-NA-213	\$101,186 01/08/95 \$101,186
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S WAND-MODULATED CERAMIC COATING DEPOSITION SYSTEM ON Northwestern University	William	N 12 18/05/95 \$350,000	A PECHENIK 95-NA-215	\$350,000 01/08/95 \$350,000
 DURIP95 AN INTELLIGENT REACTOR FOR SPUTTER DEPOSITION OF TRASNFORMATION—TOUGHENING OXIDE NANGLAMINATES CERAMIC COATINGS Univ of Wisconsin 	Carolyn	N 12 18/05/95 \$130,000	A PECHENIK 95-NA-216	\$130,000 01/08/95 \$130,000
OURIP95 EQUIPMENT SUPPORTING RESEARCH TO ADVANCE THE STATE-OF-THE- ART OF VAPOR PHASE MULTI-LAYER CERAMIC/METALLIC COATINGS BY Pennsylvania State University	IE- Josender	N 12 22/05/95 \$101,009	PECHENIK 95-NA-217	\$101,009 01/08/95 \$101,009
C) JURIPPS INSTRUMENTATION FOR PROCESSING AND CHARACTERIZATION OF NAMO-MODULATED CERAMICS C) Juke University	Vlacimir	N 22/05/95 \$299,300	PECHENIK 95-NA-218	\$299,000 01/08/95 \$299,000
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MIXED MODE CREEP AND CREEP FRACTURE HIGH STRENGTH SUPERALLOY Washington State University	E DE A LOW-THERMAL-EXPANSION. Ding	÷	N 36 09/06/95 \$304,926	JONES 95-NA-239	
CYCLIC DAMAGE IN HIGH TENERATURE TO Louisiana State University	TITANIUM COMPOSITES Voyiedjis	George	N 36 09/06/95 \$329,937	JONES 95-NA-240	
PAYCTURE PHENCRENA AND INTERFACE PROPERTIES OF LONS ALIGHED FISERS: A FUNDAMENTAL APPROACH Univ of Illinois — Chicaso	ROPERTIES OF COMPOSITES WITH BAPPROACH Botsis	John	N 36 09/06/95 \$329,875	JONES 95-NA-241	
"CORROSION E FATISUF OF ALUMIINUM ALLOYS: Micromechanics and Reliability" Lehigh University	ALLOYS: CHEMISTRY,	Robert	N 18 12/06/55 \$200,000	JONES 95-NA-242	
#PREDICTION OF GROUTH OF THREE-DEIMENSICHAL Syperimental and theopetical study* Northwestern University	MENSICNAL CRÁCKS: COMEINED M Daniel	e r-d	N 36 12/06/95 \$713,718	JONES 95-NA-243	
FRACTURE MECHANICS OF STITCHED TEXTURENTEX Univ of Florida	STITCHED TEXTILE COMPOSITES Sankar	Shaveni	N 36 12/06/95 \$283,089	JONES 95-NA-244	
TEATASE MECHANISMS AND ACCUMMULATION IN UNIDIRECTIONAL CROSSPLY CERAMICHMATRIX COMPOSITE LAMINATESM Daniel Northwestern University	CN IN UNIDIZECTIONAL AND LAMINATES* Caniel	ы	N 36 12/06/95 \$405,554	JONES 95-NA-245	
ECULAR School o	COLLISIONS f Eng Kunc	Joseph	N 12/06/95 \$273,223	BIRKAN 95-NA-246	

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A NOVEL THRUSTER FOR SATTELITE CONTROL			36		
Univ of Illinois	Miley	George	\$294,578	95-NA-248	
MEFICAL SIMULATION	JID-ACOUSTIC PROCESSES		36		
IN MODEL SOLID ROCKET MOTORS Univ of Coloredo	Kehelingam	Shankar	12/06/95 \$182,882	BIRKAN 95-NA-249	
SCALING LAWS FOR MALL THRUSTER PERFORMANCE			22. e		
Princeton University Plasma Physics Lab	Ti son	Natheniel	\$276,500	51KKAN 95-NA-250	
SCALE-DOWN SPFECTS ON TON THRUSTERS AND STAT	ZONARY PLASMA		90 E		
IMRUSTERS Cornell University	deBoer	P.C.T.	\$313,517	95-NA-251	
ELECTROSTATIC PROPULSION FOR LOW POWER SATELLI	LITES		36 N	3	
Susek So, Inc.	Hruby	>	12/06/35 \$498,682	55-NA-252	
SASIC SCALING STUDIES OF ELECTRIC THRUSTERS			N 36		
Associates Institute of Technology	Martinez-Sanchez	Manuel .	\$579,271 \$579,271	61KKAN 95-NA-253	
HISH SPECTARL RESOLUTION COMBUSTION GAS AND	PARTICLE RADIATION FOR		N 36		
ROCKET PLUMES Univ of illinois - Urbena Champaign	E a f o a a a a a a a a a a a a a a a a a	**	\$210,460	95-NA-254	
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× 0	EXPEXIMENTAL INVESTIGATION OF SMALL SCALE RESISTOJETS AND ARCJETS Aerospace Corporation	ETS	N 36 14706/95 \$269,000	BIRKAN 95-NA-257	
हा है। स्टिन	AN EXPERIMENTAL STUDY OF SIZE-DEPENDENT PLASMA PHENOMENA IN LOW POWER ION THRUSTERS FOR SMALL SATELLITE FROPULSION Aerospace Corporation	X Y Y	N 36 14/06/95 \$350,556	BIRKAN 95-NA-258	
2 8 2	MONLINLAR CO-EXISTING ROTATIONAL-ACCUSTIC PROCESSIS IN SOLID ROCKET MOTOPS Univ of Colorado	David	N 36 14/06/95 \$421,258	BIRKAN 95-NA-259	
5 5	CHEMICAL MECHANISMS AT THE SURNING SURFACE Univ of Delamane	Thomas	N 36 14/06/95 \$327,368	BIRKAN 95-NA-260	
φ (C) (C)	MONTE CARLO ANALYSIS OF NONEQUILIBRIUM IGNIZED FLOWS Cornell University	Isin	N 14/06/95 \$297,965	BIRKAN 95-NA-261	
という。	EVAPORATIVE HEATING AND ACCELERATION PROCESSES IN LIQUID-FED PULSED PLASMA MICROTHRUSTERS Univ of illinois	Rodney	N 36 14/06/95 \$352,792	BIRKAN 95-na-262	
4 %	ELECTRON COLLISION DATA FOR HYPERSONIC SIGNATURE CHARACTERIZATION Cellifornie Institute of Technology	ION	N 14/06/95 \$351,470	BIRKAN 95-NA-263	
ββ p 4 €r p-4 /al (5	INVESTISATION OF ADTIVE CONTROL OF CONBUSTION INSTABILITIES IN LIUUID PROPTLLANT VOORET VOTORS Boomsis Institute of Tech	C 0 0 1	N 14/06/95 \$367,390	BIRKAN 95-NA-264	

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CRITICAL PLASMA PROCESSES IN LOU POWER INTENDED FOR SMALL SATELLITE PROPULSION PRINCETON UNIVERSITY	SION Jahr Jahr	Robert	N 14/06/95 \$347,229	BIRKAN 95-NA-266	
MODELING PRIMARY ATOMIZATION PROCES Purdue Research Foundation	SES	Stephen	N 36 14/06/95 \$191,878	BIRKAN 95-NA-267	
"DEVELOPMENT OF A NOVEL COMPSCT FOS PONI" Univ of Southern Cal School of E	SSITIVE-NESATIVE ION TYRUSTER Ens	Michael	N 24 14/06/95 \$177,862	BIRKAN 95-NA-268	
CASCADE APC STUDIES OF MONECULLIERIUM PROPELLANTS Univ of Tennessee / Space Institute	UM HYDPOGENZNITROGEN PLASMA Keefer	Dennis	N 36 14/06/95 \$301,489	BIRKAN 95-na-269	
MODELING NONEQUILIBRIUM RADIATION X Cornell University	IN HIGH ALTITUDE PLUMES Boyd	Iain	N 14/06/95 \$151,769	BIRKAN 95-NA-270	
MONTE CARLG MODELING OF LOW-POWER E Cornell University	ELECTROTHERMAL THRUSTERS Soyd	Iain	N 36 14/06/95 \$151,769	BIRKAN 95-NA-271	
Cechnel	MONLINEAR UNSTEADY MOTIONS IN Osy Culick	red.	N 14/06/95 \$227,889	BIRKAN 95-NA-272	
NUMERICAL MODELING OF MICRO APCUET TH Apsendingetts institute of Technology	THRUSTERS by breuer	Kenneth	N 14/06/95 \$225,936	BIRKAN 95-NA-273	

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17.06.795 18.0			-		TYPE/MONTHS RECEIVED AMGUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
RECJET THRUSTER OPERATION — SCALING FROM LOW TO SUPPRACTOR 13,5 14,06/95	(i)	0= 8 10V=0CV20	COTHE HALL THROSTER FOR SMALL GALLERS		N 14/06/95 \$399,692	NA-27	
RECESSES IN THE PRODUCTION OF EXCITED STATES IN 10.085 10.08	e o	MENTALS OF ARCJET THRUSTER POWERS State Univ Research Foundat	- SCALING FROM LOW TO Subrameniam	"E" VI	N 36 14/06/95 \$186,235	NA-27	
E HALL IMBUSTER THRUUGH ADVANCED COMPUTATIONAL METHODS AND SES IN PULSED PLASMA THPUSTERS THORIS IN POLECULAR RADIATION FROM THORIS IN POLE OFFICE AND DROPLET - VORTEX THORIS OF ACOUSTIC - VORTEX AND DROPLET - VORTE	•	PROCESSES FLOWS Research	OBUCTION OF EXCITED STATES IN RICH	seph	N 14/06/95 \$496,114	NA-27	
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ANALYTICAL STUDIES OF UV MOLECULAR RADIATION FROM JAKAGAS BIR 14/06/95 BIR 14/06/95 BIR 150NS OF ACCOUSTIC-VORTEX AND DROPLET-VORTEX EYANT TO LIQUID PROPELLANT ROCKET INSTABILITY COMPOSITE: CREEP SCHAVIOR AND FORVING STUDIES OR POSITE: CREEP SCHAVIOR AND FORVING STUDIES MURHARDER OF AFFORDABLE MULTILAYERS MATERIALS FOR HIGH- TUTCHE ENGINES S WECLEY H 14/06/95 WAR	Q 0	Processes in Pulses e University	S Turchi	ب 1	N 14/36/95 \$144,853	NA-27	
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OF AFFORDAGLE MULTILAYERED MATERIALS FOR HIGH- 14/26/95 WAR 14/26/16 ENGINES 3 Wecley H	9 0	AMINATED METAL COMPOSITE: CRE niv of California, Davis	havier ind Forving studies Mukherjee	iya	N 14/06/95 \$465,321	5-NA-28	
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Purdue Research Foundation	Skelton	Robert	\$359,792	95-NA-284	
VISRATION DAMPING OF FLAPS AND AIRFOIL	Ŋ		N 24		
Joston University	元 9 9 8	Michael	\$182,938	95-NA-285	
STRESS LOCALIZATION IN ANISOTROPIC MATERIALS	MATERIALS AND COMPOSITES		80 C	3	
Univ of Illinois - Chicago	Ting	T C T	\$226,743	#U .95-NA-286	
HOLDGRIPHIC FLCW VISUALIZATION OF INSTABILITIES North Carolina State University	HYPERSONIC BOUNDARY LAYER Chokani	Ndaona	N 24 16/06/95 \$142,330	SAKELL 95-NA-287	
TURBULENT SPOT CHARACTERIZATION AND THE HEAT TRANSFER IN TURBINES Syracuse University	D THE MODELLING OF TRANSITIONAL Labraff	John	N 16/06/95 \$293,146	MCMICHAEL 95-NA-288	
SCALAR MIXING CONTROL IN FORCED SH	SHEBR LAYERS		N 36 16/06/95	MCMICHAEL	
Michigan State University	Koochesfebani	Manoochehr	\$278,209	95-NA-289	
STRESS ANALYSIS AND DEMAGE MODELING	G OF TEXTILE COMPOSITES		N 36	2 2 2	
Materials Sciences Corp	હ લ ક જ હ	Walter	\$294,740	95-NA-290	
PENCICTION, PEASUREMENT AND SUPPRISSION OF LOTUATIONS OFFICH A FIGHTEP CONFIGURATION Georgia Tech Pesegron Consoration	SSION OF MARROW-BAND VELOCITY SUCATION Nomerath	Narayanan	N 36 20/06/95 \$449,214	SAKELL 95-NA-291	

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i. 4. WAR AMALYSIS METHOD FOR DESIGN APPLICATIONS OF STRUCTURE— ACCUSTIC COUPLID SYSTIM UNLY OF CLUCIONSES	ردل	N 20/06/95 \$129,461	WU 95-NA-292
LARGE-EDDY SIMULATION OF WEDGE-GENERATED SHOCK/BOUNDARY LAYERS INTERACTIONS North Carolina State University (15)	ט ס	N 20/06/95 \$170,420	SAKELL 95-NA-293
NEWS: A NOW-LINEAR ELEMENT UPSTREAM WEAK STATEMENT FOR CONFIGURATION AEROTHERRODYNAMICS Isnnelli Isnnelli	اره	N 38 20/06/95 \$81,968	SAKELL 95-NA-294
INTERPHASE DESCHOING IN HIGH TEMPERATURE CERAMIC COMPOSITES Rockmall International, Science Center	æ G	N 20/06/95 \$599,000	PECHENIK 95-NA-295
SYNTHESIS OF CEPAVICS FROM SOLUTIONS: FUNCTIONALLY SRADED COMPOSITES, NANOCGAPOSITES & SINGLE CRYSTAL THIN FILMS Univ of California, Santa Barbara	10 11.	N 24 23/06/95 \$404,360	PECHENIK 95-NA-296
NANOSTRUCTURED LAMINATES FOR ELEVATED TEMPERATURE APPLICATIONS University of Ideho	u.	N 22/06/95 \$406,100	WARD 95-NA-297
COMPUTATIONAL AND EXPERIMENTAL STUDY OF SCRAMJET LOBED-MIXER FUEL- INJECTION STRUT Syracuse University	Thons	N 36 22/06/95 \$374,007	SAKELL 95-NA-298
CHATACTERIZATION OF LANS OF FREICTION IN THE CONTEXT OF ENGINE SLADE DYNAMICS Strategic Technologies Inc	٩	N 48 22/06/95 \$356,879	NU 95-NA-299
ELECTROBYDROCYALMIC CONTROL OF THIN FILM EVAPORATIVE HEAT TRANSFER IN ALCTO HEAT FIRE APRAYS Univ of Deyton	Kevin	N 22/06/95 \$248,683	MCMICHAEL 95-NA-300

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. معقوما	John	22/06/95 \$439,711	MCMICHAEL 95-NA-301
VALIDATION OF THE TURBULENT DISSIPATION TRANSPORT EQUATION USING SIMULATION DATA		N 36 22/06/95	MCMICHAEL
Stanford University	Peter	\$266,195	95-NA-302
FEEDBACK CONTROL TO DELAY OR ADVANCE LOSS OF STABILITY IN BOUNDARY	¥ 2 4	N 36 23/06/95	NCMICHAEL
Univ of Pennsylvania	Haim	\$285,565	95-NA-303
HODELING REAT TRANSFORT IN TUREULENT FLOWS		35 N 36	THE STATE OF THE S
Stanford University	Paul	\$391,535	95-NA-304
TIP LEAKAGE FLOW MECHANISMS AND THEIR RELATION TO STALL		N 24	
Scientific Pesearch Associates, Inc.	∝	23/16/95 \$199,793	MCMICHAEL 95-NA-305
ROTOR TIP LEAKAGEEXPERIMENTS AND MODELING		N 24	
Stanford University Sradsham	peter	\$266,585	95-NA-306
THERMAL CONTROL IN AERODYNAMIC APPLICATIONS USING NEW FLUIDIC		N 36	
rechmocoless Seith Corporation Smith Secryia Tech Research Corporation	S m C	\$495,219	95-NA-307
MICRO HEAT EXCHANGER USING MEMS IMPINGING JETS AND VACUUM-		N 36	
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€	CSSIR-35) GINGLE CAYSTAL FIGERS OF	YAG FOR COMPOSITE STPENGTHENING		N 06	E	
)	Laser Senics Corporation	Schlecht	Richard	\$79,972	95-NA-313	
	(SBIR-95) LOW COST STABLE PRECURSOR	S FOR PRODUCTION OF YAS FIBERS		N 05	0 0	
(5	10A Research, Inc.	Cook	Ronald	\$80,000	95-NA-314	
0		ATIVE PROCESSING TO PRODUCE		N 66	C	
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0	READ/WRITE MODULE FOR HIGH CAPACITY	MEMORY DISK (ARPA-IRP)		N 24		
6	Holoplex	X OK	T e . L	\$749,700	95-NE-227	
€.	SPATIAL SOLITON INTERACTIONS FOR	PHOTONIC SMITCHING		N 36	9 A 4 3	
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	Univ of Houston	Peri	Shin-Shem	\$534,843	95-NE-230	
1	PHOTONIC AIM FRONI-END PROCESSOR			N 36	A 15	\$190,881
	Univ of Maryland, Seltimore Cambus	Choa	H. Jonathan	\$749,786	95-NE-231	\$749,786
7	는 63 10 1* 조건 조건	AAL HOLE AURNING OPTICAL		30 C	** ()	\$187,243
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AASERT95 (2MDO) COHERENT TRANSLENT	IT PROCESSORS AND MATERIALS		N 36	4 U	\$183,555
Univ of Washington	Babbitt	William Randall	\$184,690	95-NE-235	\$184,690
AASERT95 (BMDO) ROUTING OF OPTICAL	CATA VIA SPATIAL-S		20 E	₹ ()	\$118,202
dolospaphic Devices Univ of Oregon	Hossberg	Thomas	\$118,766	95-NE-236	\$118,766
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INTERSUSBAND QUANTOM-30X SEMICONDUCTOP Univ of Wisconsin	ouctor L4SERS Botez	Dan	N 25/04/95 \$469,970	CRAIG 95-NE-238	
CAASERT-95(3MDO) TIME-OF-FLIGHT S Univ of Colorado	TIME-OF-FLIGHT SYNCHRONIZATION TECHNIQUES Sauer	John	N 36 25/04/95 \$117,944	CRAIG 95-NE-239	\$117,124 01/07/95 \$117,944
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SOLITON	INTERACTIONS FOR PHOTONIC	Kelvin	N 26/04/95	CRAIG 95-NE-243	\$137,958 01/07/95 \$138,402

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3	PHOTONIC INAGING NETWORKS			N 60	Z (\$552,000
(*)	Univ of California, San Diego	rainman	<u>;</u>	\$2,646,807	CKA16 95-NE-264	\$2,698,807
	FOR HIGH-SPEED OPTICAL	TRANCPULTIFLEXING AND		N 36	A	\$500,000
	Purdue University	Weiner	Andrew	\$1,500,000	95-NE-265	\$1,500,000
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0	Michigan Technological University	Krishnamurthy	Kohan	\$321,180	95-NE-266	
0	MULTI-WAVELENGTH OPTICAL	CODE-DIVISION-MULTIPLEXING BASED		N 9	4	\$500,000
0	Univ of California, Los Angeles	Yablonovitch	£11	\$2,500,000	UKA16 95-NE-267	42,500,000
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ij.	California Institute of Tachnology	McSill	·	\$1,584,454	S5-NE-269	\$1,584,454
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II-VI/III-V HETEROJUNCTION LASERS Purdue Research Foundation	Gunshor	Robert	N 36 16/05/95 \$480,000	POMRENKE 95-NE-273	
SYMPOSIUM ON EVCLUTION OF EPITAXIAL Materials Research Society	it STRUCTURE AND MORPHOLOGY Ballance	Lohn	N 12 17/05/95 \$4,500	POMRENKE 95-NE-274	·
CSMCO SURIPY THE ALLIANCE FOR WOM- Univ of Maryland	WOM LASER APRAY APPLICATIONS Dagenais	Mario	N 23/05/25 23/05/95 \$2,380,517	A CRAIG 95-NE-275	\$1,188,517 15/08/95 \$1,188,517
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FY95 DURIP WEM LASER SGURCES FOR I RESEARCH INTERNET PROGRAM Colorado State University	THE DEFENSE UNIVERSITY (TESTBED) Temkin	Henry	N 24 24/05/95 \$1,811,486	A CRAIG 95-NE-277	\$1,811,486 15/08/95 \$1,811,486
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C 3	MULTISCALE PHOTONIC DATA FUSION NETWORKS Univ of Southern California	AND THEIR INTERFACES Samehuk	Alexander	N 36 01/06/95 \$1,501,551	A CRAIG 95-NE-281	\$500,982 01/08/95 \$1,501,551
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0	1996 INTERNATIONAL MEETING ON HOLE BURNING SPECTROSCOPIES: SCIENCE AND APPLICATIONS IO49 State University	S AND RELATED	Gerald	N 12 06/06/95 \$10,250	CRAIG 95-NE-283	·
୍ ୦	DEVELOPMENT OF LIQUID CRYSTAL POLYMER OPTICAL FIELD SCANNING OPTICAL MICROSCOPY APPLICATIONS Perdix Incorp	ICAL FISERS FOR NEAR NIJONS Arnett	Kenneth	N 12 06/06/95 \$110,978	SCHLOSSBER 95-NE-284	
0 0	NEGATIVE IONS IN MATERIALS PROCESSING PLASM Univ of Tennessee	15MA5. Pinnadusage	j	N 36 08/06/95 \$265,885	KELLEY. 95-NE-285	ů.
0	HISH TEMPERATURE SUPERCONDUCTING COMPOUND	. Goldman	Allen	N 36 09/06/95 \$315,000	WEINSTOCK 95-NE-286	
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NON-INTRUSIVE MEASUREMENTS OF THE PERFORMANCE OF ENDOTHERMIC FUEL,

Gould North Carolina State University SCRAMJET COMBUSTERS

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TITLE TITLE, CONT.D INSTITUTION	INVESTIBATOR		TYPE/MONTES PECETVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START CATE TOT AMI
TOXICANT TXPOSURE SIDMACKERS IN HUB PORSONMIL USIV of Misconsin	HUMAN SLOOD SARBLES FROM AIP FORGE ST	te Ve n	N 04704795 \$548,086	KOZUMBO 95-NL-175	
DETOXICATION ENZYMES AS BIOMARKERS			35 35 04/04/95	KOZUMBO	
Univ of Wisconsin	1 spein	Xcer.	\$542,573	95-NL-1/8	
COMPUTER SIMULATIONS OF LOW TEMPERATURE ALS Univ of Pennsylvania	HISH ENERSY DENSITY MATERI Voth	Gregory	N 36 04/04/95 \$450,000	BERMAN 95-NL-177	
SYNTHESIS OF ALACUBANES Univ of Illinois - Chicago	Moriarty R	Robert	N 36 04/04/95 5591,268	BERMAN 95-NL-178	
THEORY GUIDED SYNTHESIS OF CYCLIC Univ of Connecticut	OZONE Lynds L	e ha e r	36 04/04/95 \$360,000	BERMAN 95-NL-179	
A STUDY OF THE METABOLISM AND TOXICITY IGHT HYDROCARBONS IN FISCHER 344 RATS Wright State University	KICITY OF SOME MEDIUM MOLECULAR WE RATS Serve*	. Paul	N 24 04/04/95 \$73,293	KOZUMBO 95-NL-180	
MODULATION OF TESTICULAR PERIPHERAL DMIUM—INDUCED SEXUAL DYSFUNCTION Acharry Medical College	L BENZODIAZEPINE RECEPTORS IN CA Sas	liie	N 36 05/04/95 \$492,837	KOZUMBO 95-NL-181	
AUANTUR MOLECULAR DYNARICS SIRULATIONS BOPFD SOLID HYDROSEN JALY of Celifornia, Irvine	OF ELECTRONIC PROCESSES IN Serber	Robert	N 36 10/04/95 \$413,600	BERMAN 95-NL-182	
BASIC HATERIALS AND FASRICATION STOPTOMENTON STOPELECTRONICS Univ. of Southern California	STUDIES FOR ADVANCED POLYMER Steien	Williem	R 24 11/04/95 \$300,000	A LEE 95-NL-183	\$149,999 15/06/95 \$299,999

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STYPLOPMENT OF COANTUM DOT MATERIALS SOL-SFL METHOD BRIV OF CHIEFOTHES, Los Argeles	S ace certoal devices by THE Adolesia		11/04/95		\$60,000
no a A	VP COS BAT VP			25-11-104	120,000
of Artzona	Peygha	z	R 24 11/04/95 \$120,000	A LEE 95-NL-185	\$60,000 01/06/95 \$120,000
POLYMER-BASED INTEGRATED PHOTONIC DOPIECAL INTERCONNECTS Univ of Texas at Austin	DEVICES FOR HIGHLY PARALLEL Chen	Ray	R 24 . 12704/95 \$199,998	A LEE 95-NL-186	\$99,999 01/06/95 \$199,998
DEVELOPMENT AND UTILIZATION OF DEVICE MATERIALS Univ of Southern California	CE GUALITY NOHLINEAR OPTICAL Delton	Larry	R 24 12/04/95 \$300,000	LEE 95-NL-187	\$149,962 15/06/95 \$300,000
PROCESSING OF NOVEL CHROMOPHORES FOR State University of New York	R ELECTRO-OPTIC APPLICATIONS Prasad	ง ถ เก	R 24 12/04/95 \$150,000	LEE 95-NL-188	\$79,999 01/06/95 \$160,000
THE SEVENTEENTH INTERNATIONAL SYRPO CE - COSNITIVE REGULATION OF PERFOR Univ of Michigan	. SYRPOSIUM ON ATTENTION AND PERFORMAN PERFCRMANCE: INTERACTION OF THEORY Kornblum	Sylvan	N 12 19704/95 \$35,100	TANGNEY 95-NL-189	
STIR95 HIGHLY SPECIFIC ENCODABLE CO AVELEWGTH RETRO-LASER PAINT Physical Optics Corporation	COVERT MARKER BASED ON MULTIPLE W Spariosu	Kalin	N 12 24/04/95 \$99,990	HADDAD 95-NL-190	
STTR95 POLARIZATION IMASER TECHNOLOSA Squinox Corporation	30154	Lawrence	N 24704/95 \$100,000	A HADDAD 95-WL-131	\$100,000 01/08/95 \$100,000
1935 GORDON CONFERENCE ON INURGANIC Gordon Peseerch Conferences Inc	RTO12 Stora	Carlyle	N 01 24/04/95 \$6,200	DELONG 95-NL-192	

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TITLE TITLE (CCUT.) THSTETUTION	INVESTIGATOR		TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AME
CECED POLYMER LISHT Linds	EMITTING DEVICES PASED ON CONJUSAT	رم د د د	N 06 C4/05/95 479,857	A LEE 95-NL-193	\$79,857 15/07/95 \$79,857
HETEROGENEOUS REACTIONS ON ALUMIN EXHAUST PARTICLES Univ of Colorado	ALUHINUM OKIDE SURFACES MODELING ROCKET George	Steven	N 04/05/95 \$334,637	BERMAN 95-NL-194	
SITU CHARACTERIZATION OF ELECTROC EFFECT OF ELECTROLYTE COMPOSITION Utah State University	OF ELECTROCHEMICAL CORROSION PHENOMENA: THE COMPOSITION AND TEMPERATURE ON THE STABILI	6 re 9	N 36 04/05/95 \$251,116	DELONG 95-NL-195	
NOVEL PHOTOREFRACTIVE MATERIALS IF POR OPTICAL SIGNAL PROCESSING Molecular Technologies, Inc	AASED ON SOLUBLE POLYDIACETYLENES	Lian	N 05 04/05/95 \$59,175	LEE 95-NL-196	\$59,775 15/07/95 \$59,775
ADVANCED PROCESSING OF NONLINEAR OFFICAL MATERIALS TO BLING COST, REDUCE OPTICAL LOSS, AND REDUCE DRIVE VOLTAR RVM Scientific Inc.	OFTICAL MATERIALS TO LOWER PIGTAL AND REDUCE DRIVE VOLTAGES IN DEVIC MUSTACICH	Robert	N 06 05/05/95 \$60,000	A LEE 95-NL-197	\$60,000
8TH INTERNATIONAL SYMPOSIUM GN MICROSIAL California Institute of Technology	NICROSIAL GROWTH ON CI COMPGUNDS SSY Lidstrom	Kary	N 08/05/95 \$29,315	D KOZUMBO 95-NL-198	
HETEROGENEOUS CHEMISTRY IN SOLID ROCKET MOTOR PLUME Jniv of Southern California) ROCKET MOTOR PLUMES Wittig	Curt	N 36 16/05/95 \$400,918	BERMAN 95-NL-199	
THEORETICAL PODELS OF DEMASE MECHANISMS S IN OCULAR MEDIA Florida international University	CHANISMS FOR ULTRASHORT LASER PULSE Genstman	b - 5 - 1 - 3	N 16/05/95 \$633,215	KOZUMBO 95-NL-200	
SLFACTORY INENTIFICATION AND ASING: FACTS ARW York University Medical Center	ING: TRUE DEFICITS VERSUS TASK ARTI ter Cormin	ا د ت ا	N 16/05/95 \$76,234	KOZUMBO 95-NL-201	

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	20107604	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	(22/05/95	TANGNEY	
③	Pennsylvania State University	Rosenbaum 13	David	\$605,124	95-NL-203	
0	MEURAL MODELS OF SPATIAL DRIENTATION	IN NOVEL ENVIRON		R 36	> H N C N G L	
6	Roston University	Grossberg	Stephen	\$315,248	95-NL-204	
	SICDEGRADATION OF NITROARGMATIC COMPOUN	SCNDO		72105/95	KOZUMBO	
	Univ of Iome	Gibson	David	\$833.669	95-NL-205	
<u> </u>	AVIITHINGOGICHA TENON BO INBROVIDADO	FITCHES CAYSTALS FOR LARGE ARE		N 24	W	
0	CTORS ersity	Pollack	Steven	30/05/95	LEE 95-NL-206	
0 0	APPROACHES TOWARD SYSTEMATIC ENHANCEMEN C ELECTRO-OPTIC AND ALL-OPTIC MATERIAL Univ of Texes, El Paso	HENT AND DEVELOPMENT OF ORGANI RIALS POSSESSING UNPRECEDENTED. Dirk	Carl	N 24 30/05/95 \$295,675	A LEE 95-NL-207	
67	MACROMOLECULAR MATERIALS FOR	ELECTRONIC AND OPTICAL APPLICAT		N 24	A 11	
٠.	IONS Clark Atlanta University	pang	۲۱	\$146,060	95-NL-208	
73	E ROLE OF MITOCHONDRIA IN THE DE	TECTION OF INFRARED LIGHT SOURCE		N 00 00 00 00 00 00 00 00 00 00 00 00 00	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
(1)	S of MAMMALIAN CELLS Northwestern University	Albrecht-Bushler	Guenter	\$358,062	95-NL-209	
***	THE INFLUENCE OF INHIBITOR IONS AND	CONVERSION COATINGS ON LOCALIZ		N 36		
	on conveston of al Avo al Allers Obio State University	Frenkel	Gereld	\$383,652	DE LUNG 95-NL-210	

\$145,000 15/09/95 \$290,830

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FITLE FITLE CONT.D INSTITUTION	INVESTIBATOR		IYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
TEGO NO LUISINERO STICERESCU.	POCKET EXHAUST PARTICULATE	- L T	N 24 05/06/95 \$299,946	BERMAN 951-NI-211	
TENOTIFICACION TO TOTAL	0.00			4444	
ENCHANCING BIODEGRADATION THROUGH C ERATE KEY DEGRADATION GENES	CONTROLLED CONJUGATION TO PROLIF		N 36 06/06/95	KOZUMBO	
Northwestern University	Rittmann	Bruce	\$365,484	95-NL-212	
NOVEL PHOTOREFRACTIVE AND ELECTRO-CYNTHESIS AND MECHANISM	ELECTRO-OPTIC POLYMERS-RATIONAL DESIGNS,		R 36 07/06/95	LEE	
Univ of Chicago	۲u	Luping	\$411,042	95-NL-213	
ASYMMETRIC CATALYSIS FOR THE SYNTHESIS STALLS	ESIS OF FERRUELECTRIC LIQUID CRY	h	N 36 12/06/95	LEE	
Pennsylvania State University	Zhang	Xusu	\$356,388	95-NL-214	
RECHANISMS OF PHOTOREFRACTIVITY IN POLYMERIC	POLYMERIC MATERIALS		N 36 16/06/95	<u> </u>	
Univ of California, San Diego	Moerner	William	\$511,336	95-NL-215	
CORRUSION PROTECTION OF ALUMINUM AND POLYMERS Obio State University	ND IT ALLOYS USING ELECTROACTIVE Epstein	Arthur	N 36 16/06/95 \$386,595	LEE 95-NL-216	
DEVELOPMENT OF A LOW LOSS ELECTRO-CPTIC POLYMER	CPIIC POLYMER AT 300NM		N 066	et u	\$60,000
Jeacon Research Co	Sischel	William	\$60,000	95-NL-217	\$60,000
RECHANISM AND DOSE RESPONSE FOR THE LAPORTHYLENE IN MOUSE LIVER	HE CARCINOSENIC SCTIVITY OF TRICH		N 36 19706/95	KOZUMBO	
Redical College of Dhio	e 7 10 10 G	Michael	\$445,179	95-NL-218	
DESTON, CHARACTERIZATION, AND OPTI	OPITHIZATION OF ELECTROOPTIC POLYMER		36	u u	
S ISM Almaden Research Center	Surland	Coneld	\$1,056,273	95-NL-219	

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o c	TITLE (CONT.) INSTITUTION		TYPE/MONTHS RECEIVED AMOUNT	PROGRAM MANAGER PROPOSAL #	
0	TROWING PRO	, ,	R 12/05/95 1473-587	LEE 95-N1-220	
C	TOTAL				
	ELECTRONIC PROPERTY CONTROL THROUGH REDOX BEHAVIOR OF CONJUGATED POR YMERS.		R 35 20/06/95	LEE	
(3)	Univ of Florida	John	\$473,687	95-NL-221	
(3)	DEVELOPMENT AND EVALUATION OF NONDESTRUCTIVE, HIGH FREQUENCY DISLE		N 36 20/06/95	EE	
€:	Tytechnic Inst & State Univ	Tou	\$927,198	95-NL-222	
	1,2-DIHALOETHANES AND THE IMMUNE SYSTEM		N 36 22/05/95	KOZUMBO	
•	Oregon State University	Marian	\$326,676	95-NL-223	
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(NATARBER BUT LO		22/06/95	HADDAD	
0	Kent State University 61ass	J. David	\$483,979	95-NL-224	
0	ENZYMATIC BIOREMEDIATION IN THE GAS PHASE		N 36	OR WILL YOU	
9	Univ of Pittsburgh	Alen	\$250,640	95-NL-225	
6	VIBRATIONAL		36 36 26 E	9	
2	M-FREQUENCY GENERATION Colorado School of Mines	Thomas	\$409,839		
100	STOREGO RO STES ONE STOREGO RO MOTTATHANAGORA ISHATA		36		
*v.	Univ of North Carolina	Christina	30/06/95 \$633,998	TANGNEY 95-NL-227	
	UY PHOTOFRACHENTATION SPECTROSCOPY OF ATMOSPHERIC CLUSTER IONS		8		
	Young	±X m €:	\$503,900	SERMAN SS-NL-228	
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TITLE COUNT.) INSTITUTION	E: C)		TYPEZMONTHS PACETYED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
TECHNICAL EXCHANGE WORKING SROUP MESTING			8 00 N 06	4 - C	\$10,000
Competitive Solicitation	Хпоове	Ven	\$10°00	95-NM-218	\$10,000
UNIFIED RETRIEVAL OF CLOUD PROPERTIES, ATMOSPHERIC PROFIL SURFACE PARPHETERS FROM COMBINED DMSP IMAGER AND SOUNDER STANDSOUNDER ATMOSPHERIC AND SOUNDER ATMOSPHERIC ATMOSPHERI	ERIC PROFILES, AND ND SOUNDER DATA Isaacs	Ronald	N 11/04/95 \$374,501	KROLL 95-NM-219	
PINTEGRATED CAD SYSTEMS FOR HIGH SPEED VLSI AND PERFORMANCE SYSTEMS Univ of California, Santa Barbara	PACKAGING Cai	144 00 000	N 36 13/04/95 \$1,179,587	SCHRECK 95-NM-220	
PARALLEL ADAPTIVE METHODS FOR MODELING NONEQUILBRIUK PLASMA Univ of Michigen	LEKIUM FLUIDS AND		N 12 13/04/95 \$50,000	A JACOBS 95-NM-221	\$50,000 01/03/96 \$50,000
ROBUST VISUAL DETECTION AND RECOGNITON OF MOVING TIME. TELEOS Research	NG OBJECTS IN REAL Burns	J. grain	17704795 \$100,000	HAKSMAN 95-NM-222	\$100,000 01/08/95 \$100,000
PEUSION OF SENSORS THAT INTERACT DYNAMICALLY FOR DEVELOPMENT FOR ROBUST, FAST OBJECT DETECTION & Amherst Systems, Inc.	R EXPLORATORY & RECOGNITION Bandera	Cesar	N 12 18/04/95 \$99,893	MAKSMAN 95-NM-223	\$99,993 01/08/95 \$99,993
A WIDE-ANGLE CAMERA WITH DYNAMICALLY PROGRAMMABLE DERIPHERAL IMAGINS CAPABILITIES Silicon Mountain Design Inc	BLE FOVEAL/ Gardner	5avî d	N 06 18/04/95 \$79,975	D HAKSMAN 95-NM-224	
NEURAL NET APPROACH TO FUSION OF SENSORS DULY Research Inc.	¥ 1.1.1.0	Arvel	N 12 18/04/95 \$99,865	HAKSMAN 95-NM-225	
HIGH SPEED. LOW COST PROCESSING FOR FUSION OF Competitive Solicitation	SENSORS	Phillip	N 06 18/04/95 \$69,000	D WAKSMAN 95-NM-226	

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6	HINEL CCCNT.) INSTRUCTON	TAVESTIGATOR		RECEIVED	PROCRAF FANAGER PROPOSAL *	START DATE
€	AN ACTIVE VISION RASED SAR-FLIR FUSION AND RECOGNITON OF GROUND TARGETS	ON ATP SYSTEM POR DETECTION	S F F	19/04/95 19/04/95	MAKSMAN 95-NM-227	\$99,973 01/08/95 \$99,973
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3		Iodice	David	8/04/ \$92,7	WAKSMAN 95-NM-228	
0	MULTISENSOR	REAL-TIME OBJECT IDENTIFICATION AND		N 12	0	
0	POSE DETERMINATION SYSTEM Cybernet Systems Corp	Whalen	Michael	18/04/95 \$100,000	WAKSMAN 95-NM-229	
C	TEMPLEKTURE SENSORS BASED ON THERMIDAIC	MIC EMISSION		20 V		
	Ultrafast Sensors & Application	Soares	Schubert	\$100,000	95-NM-230	
0	MIGH-SPEED PHOTODIODES			90		
0	Ultrafast Sensors & Application	Soares	Schubert	18/04/55	MAKSHAN 95-NM-231	
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13	Ultrafast Sensors & Application	Soares	Schubert	\$100,000	95-NM-232	
©	TEMPERTURE SENSORS BASED ON CHARGE	CARRIER MOBILITY		80 N SO N S S S S S S S S S S S S S S S S	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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0	SCHOTTKY BARRIER STRAIN GAUSES			N 0.500 N	2 2 2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
şî',	Ultrafest Sensors & Application	Seles	Schubert	\$100,000	95-NM-234	
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•	Competitive Solicitation	Ackenhusen	John	888 888	95-NM-235	

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LARGE AREA ARRAYS OF NANO	NANDELECTRONIC AND PHOTONIC DEVICES		N 12	0	
Competitive Solicitation	Coleman	John	18/04/95 \$96,403	WAKSMAN 95-NM-237	
ARTIFICIAL INTELLIGENCE E	ENVIRONMENT FOR MULTI SENSOR DATA FUSION		90		
AEDAR Corp. (Advanced Eng	Engineering Design Fabunmi	S O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D O D D D O	13/04/93	88 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
STRESS/FAILURE ANALYSIS S	SOPTHARE FOR MULTIMATERIAL INTERFACE		N 12	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
nyave	Divakar		\$100,000	95-NM-239	
STRESS/FAILURE ANALYSIS A STRUCTURES BY P-VERSION CONCINECTING Design & Soft	IS AT MULTI-MATSRIAL INTERFASE OF AERO-SAPCE ON OF FINITE ELEMENT METHOD Software INC	Mohamaad	12 19/04/95 \$99,933	JACOBS 95-NM-240	
YSTEM FOR	STRESS/FAILURE ANALYSIS OF MULTI-MATERIAL		N 12 19/04/95	JACOBS	
Optimal Solutions Inc	Kuo	An-Yu	\$100,000	95-NM-241	
AULTIDISCIPLINARY LIFETIME	HE PREDICTION OF MULTICHIP MODULES (MCM)		N 06	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Competitive Solicitation	ibda	Frank	\$100,000	95-NM-242	
THEOREM ANALYSIS OF HULLT	TICHIP MODULES USING DOMAIN DESCRIPOSITION		N 12	A 0.80.741.	\$100,000
and mayalbi-lafaciance maiktorometheus Inc	An An	ganok	\$100,000	95-NM-243	\$100,000
SISTEM THE STEMPHE ANALYSIS	SOFTWARE FOR MULTI-MATERIAL INTERFACES		N 12	0 200	
Competitive Solicitation	ተራኒክ	John	\$83,283	95-NH-244	

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0 0		a dottetter e		TYPE/MONTHS PECETVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
Ç	A SOUTH OF MULTICHIP MODULE F	allupes		N 06/05	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
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(1)	ULTI-MATERIAL INTERFACE esign, Analysis and Research Corp		William	19/04/95	JACOBS 95-NM-246	
		S.				
•	RAD-MAP: A CAD PACKAGE FOR MAPPING RADIATION DOSE	IN ADVANCED		N 08	JACOBS	
•	Michosperit Advasing	Spratt	Cabes	\$99,824	95-NM-247	
6	STRESS/FAILURE ANALYSIS SOFTWARE FOR MULTI-MATERIAL	AL INTERFACES		N 06	JACOBS	
à	Computational Machanics Corporation	₹0¢	Subrata	\$96 \$66\$	95-NM-248	
	STRESS FAILURE ANALYSIS FOR MULTIMATERIAL INTERFACE	CES		N 12		
0	Computational Research and Software Inc	Surana	· *	\$88,477	95-NN-249	y
0	STRESS/FAILURES ANALSIS SOFTWARE FOR MULTI-MATERIAL IN	IAL INTERFACES		N 12	A	\$99,978
9	Enginearing software research and Develo	Actis	Richard	826 665	95-NM-250	816 66\$
-	APPLICATION OF VIEWPOINT INVARIANTS TO DEJECT RE	RECOGNITION		N 36 24/04/95	HAKSHAN	
)	Univ of Maryland	*61.55	Isaac	\$197,554	95-NM-251	
<i>1</i> %	STOCHASTIC CONTROL AND NONLINEAR ESTIMATION			N 36	0000	
*[]:	Grown University	Pleains	Wendell	\$581,440	95-NM-252	
-0	CONTROL. STABILIZATION AND DYNAMICS OF MECHANICAL	S N S T E S N S T		96		
•	Univ of Michigan	Sloch	Anthony	24/04/95 \$173.548	JACOBS 95-NM-253	
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TITLE TILE CONF.) THSTAGTON	STISSION		TYPE/MONTHS RECEIVED AMOUNT	STATUS PROSZAM NANAGER PROPOSAL #	INITIATE START CATE TOT AMI
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SOLVING NONCONVEX PRODUCTION, DISTI Johnson C. Smith University	DISTRIBUTION, AND DESIGN PROBLEMS Attia Attia	41	A 28/04/95 \$831,895	GLASSMAN 95-NM-255	
ANALYSIS OF MOMENTUM EXCHANGE IN STATHEMATICAL MODELS	SPACECRAFT DYNAMICS AND RELATED Hall	Christopher	N 36 28/04/95 \$70,980	NACHMAN 55-NM-256	
WING STRUCTURAL DESIGN BY GENETIC. Univ of Florida	ALSORITHMS AND HOMOTOPY METHODS Hatfka Raphael	sel	N 48 28/04/95 \$210,266	GLASSMAN 95-NM-257	
#ING STRUCTURAL DESIGN BY GENETIC Virginia Polytechnic Inst & State	ALGORITHMS AND HOMOTOPY METHODS Univ Gurdal		N 48 28/04/95 \$255 ₉ 698	GLASSMAN 95-NM-258	
YECTOR-VALUED MALVAR WAVELETS Air Force Institute of Technology	Suter		N 04 01/05/95 \$3,859	A SJOGREN 95-NM-259	\$3,859 01/05/95 \$3,859
NONLINEAR NETHODS APPLIED TO ATMCS Florida State University	ATMOSFHERIC PREDICTION Pfeffer Richard	, pue	N 35 02/05/95 \$510,000	KROLL 95-NM-260	
MODEL BASED PROGRAM SYNTHESIS Venderbilt University	Sztipenovits Janos	۷ı	N 02/05/95 \$345,294	LUGINBUHL 95-NM-261	
STLF CONFIGURING WIRELESS BAITLEFIELD RECOVERY Univ of Massachusetts	ELD NETWORKS WITH RAPID FAILURE Ganz		N 02/05/95 \$479,162	LUGINBUHL 95-NM-262	

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Michigan State University	C C C C C C C C C C C C C C C C C C C	potty B.C.	\$386,795	95-NM-263	
HYBRID-TREFFTZ FINITS ELEMENT MODEL FOR ACCURATE STRFSS-CONCENTRATION AT MULTIMATERIAL INTERFACES Lobitsa Inc	PREDICTION OF agesh	Suresh	000 4072 \$70,5795 \$70,000	D JACOBS 95-NM-264	
ESTABLISHING A RATIONAL FOUNDATION TURBULENCE	RATIONAL FOUNDATION FOR ENGINEERING MODELS OF Inc.	Bavid	N 36 04/05/95 \$355,765	NACHWAN 95-NM-265	
THEORETICAL AEROCYNAMICS Rensselaer Polytechnic Institute	Cole	Julian	N 34 04/05/95 \$345,044	NACHMAN 95-NM-266	
SEFECTENCY ENHANCEMENT, SIDEBAND SUPPRESSION, AMD OF SENERATION IN STRONGLY TAPERED FREE-ELECTRON LASERS Univ of Iowa	SUPPRESSION, AMB OPTICAL PULSE EE-ELECTRON LASERS 3hattacharjee	Amiteva	N 36 11/05/95 \$253,600	NACHMAN 95-NM-267	
POLYNOMIAL PHASE SIGNALS FOR DIGITAL Univ of California, Davis	TAL COMMUNICATIONS Friedlander	3enjamin	N 11/05/95 \$299,337	SJOGREN 95-NM-268	
SOFTWARE ARCHITECTURES FOR DATA FUSION, MONITORING AN EXPERIMENT IN LARGE-SCALE ADAPTIVE PARALLELISM Yale University	USION, MONITORING AND CONTROL: TIVE PARALLELISM Gelernter	David	N 36 11/05/95 \$1,089,636	LUGINBUHL 95-NM-269	
6 11 6	AND RESOURCE ALLOCATION FOR REAL-TIME NETWORKS	setenoa	N 36 11/05/95 \$150,430	LUGINBUHL 95-NM-270	
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TITLE (CONT.) INSTRUCTION	INVESTIBATOR		TYPE/MONTHS RECEIVED AMOUNT	SIATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMI
THE NO CAROS THE BOARD ON HATH	MATHEWATICAL SCIENCES		N 36	2 80 3 41	
dational Academy of Sciences	Tucker	John	\$147,000	95-NM-272	
FORMULATION OF SUBGRID VARIABILITY AND	Y AND BOUNDARY-LAYER CLOUD COVER		N 36 16/05/95	KROLL	
in takk; state Mniversity	Habrt	Larry	\$307,670	95-NM-273	
	SIMULATION OF NONCONVEX VARIATIONAL		N 36	2	\$200,000
PROSLEMS FOR APPLICATIONS TO SMAKE Florida 46M University	10 SMAKI MAIEKIALS Turner, Jr.	Line of the second seco	\$600,000	95-NM-274	\$600,000
MULTI-RESOLUTION WAVELET METHODS VLSI PERFORMANCE	FOR THE SIMULATIONS OF FLAMES AND		N 36 18/05/95	- 2	
Univ of California, Santa Barbara	Cai	3	\$180,549	95-NM-275	
NONLINEAR CONTROL OF FISHTER AIRCRA	L. Va.		N 36	AFORS	
McDonnell Douglas Aerospace	Wise	Kevin	\$357,502	95-NM-276	* * * * * * * * * * * * * * * * * * *
IMPROVED PREDICTION AND CHARACTERIZATION OPTICALLY-THIN CIRRUS National Center for Atmospheric Research	ILATION OF CONTRAILS AND Heymsfield	Andrea	N 36 25/05/95 \$289,550	KROLL 95-NM-277	
EFFICIENT SELF-ADJUSTING MECHANISMS FOR MIDE-AREA WETWORK INFORMATION SERVICES College of William and Mary	NISMS FOR DATA MANAGEMENT IN Services Simba	Rahul	N 36 25/05/95 \$158,503	LUGINBUHL 95-NM-278	
NONLINEAR HOMOGENIZATION IN ELECT	ELECTROSTATICS AND FINITE ELASTICITY		N 24 25/05/95	NACHMAN	
Univ of Pennsylvenia	Ponte-Castaneda	Pedro	\$149,566	95-NM-279	
FIRST INTERNATIONAL CONFERENCE OF	ON NOMLINERR PROSLEMS IN AVIATION		N 06 25/05/95	NACHMAN	
and forther accompation University	Sivasundaram	Ŋ	\$10,000	95-NM-280	

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SCALAZUE DATA PARALUEL ALGORITHMS AND	NOISIA SHOILINEHER NISION		35 N	4 2	\$99,988
University of Southern California	Neverta	c.	\$349,955	95-NM-281	\$349,955
PARTICLE-IN-CELL PLASMA CODES IN COMPLEX	PLEX GEOMETRIES		yo to		
Univ of Alaska	SHIFT	Daniel	\$352,282	3CHKEUN 95-NM-282	
IMPLICIT	ALGORITHM FOR MHD COMPUTATIONS		N 12		
SUPERCOMPUTERS hington	Shumlak	Uri	26/05/95 \$140,647	SCHRECK 95-NM-283	
IMPROVED AIRCRAFT INTEGRATED FLIGHT CONTROL SYSTEM DECENTRALIZED DE-COUPLING SLIDING MODE CONTROL SHAME OF ATTACHES	CONTROL SYSTEM VIA DE CONTROL Shidesal	,	N 30/05/95 5934,388	JACOB 5	
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MULTILEVEL TECHNIQUES IN LARGE SCALE	CCMPUTATION		N 36	M G H C U	
Univ of Colorado	McCormick	Stephen	\$600,174	95-NM-285	
HIGH ORDER ACCURACY NETHODS FOR LONG NOW-LINEAR PDE'S IN COMPLEX DOMAINS: Brown University	TIME INTEGRATION (THEORY AND APPLICA	Savid	N 36 30/05/95 \$879,200	SCHRECK 95-NM-286	
DESIGN OF HETEROGENEOUS HEAT CONDUCTING AND WITH IMPERFECT INTERFACE	ING AND ELASTIC STRUCTURES	•	N 36 30/05/95	NACHMAN	
worcester Polytechnic Institute	Lipton	Robert	\$50,184	95-NM-287	
REVIEW THE SEISMOLOGICAL RESEARCH PR	PROGRAMS OF THE U.S. AIR FORCE		N 18	M Y Y	\$150,000
Wational Academy of Sciences	Senson	William	\$150,000	95-NM-288	\$150,000
MUMERICAL METHODS FOR SOLIBIFICATION	W PROCESSES IN MATERIALS		900		
inithis Univ of California, Serkeley	Strain	John	\$121,966	SCHKECK 95-NM-289	

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	COMBINED ASYMPTOTIC AND NUMERICAL ANALYSIS OF TRANSONIC WIND		N 36 06/06/95	NACHMAN	
()			\$374,338	95-NM-291	
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	TRIGGERS IN MOBILE DISTRIBUTED SUFTMARE SYSTEMS FOR MONITOR-AND- CONTROL		06/06/95	LUGINBUHL	
•	Univ of Illinois - Chicago	Ouri	\$572,409	95-NM-292	
C	INTERNATIONAL STATISTICAL CONGRESS - INTERFACE - SYGNEY		N 12	C SOLV	
3	Univ of Georgia	Lynne	\$61,110	95-NM-293	
	FORMAL METHODS FOR SECURITY IN DEPENDABLE DISTRIBUTED SOFTWARE		35 N 36	LUGINBUHL	
()	Univ of Missouri	Bruce	\$371,612	95-NM-294	
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n	Worthwestern University Honig	Michael	\$189,997	95-NM-295	
T)	SECMETRY AND DIRECTION DETERMINATION	ı	N 36 14/06/95	SJOGREN	
)	Carnegie-Mellon University Moura	Jose H	\$297,679	95-NM-296	
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	STUDIES ON SHOCK MAVE, DISPERSIVE WAVE INTERACTIONS AND SONIC BOCK PROPERTION		14/05/95	NACHMAN	
M)	Univ of Southern Cal School of Eng. Newton P	. Ine	\$329,332	95-NM-297	
	INTERACTIVE OPTIMIZATION IN OBJECT ORIENTED SCHEDULING SYSTEMS		X .		
:	Columbia University Pinedo	Michael	14/06/95	5LA55FAN 95-NM-298	

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€	MULTISTRATEGY LEARNING IN COMPUTER VISION			N 36 15/06/95	KAKSMAN	
	Secres Hason University	2000年1日の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の	Rystard	\$389,823	95-NM-299	
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0	ROBABILISTIC INPUTZOUTPUT AUTOMATA: OF PROBABILISTIC BEHAVIOR AND DELAY	TOWARD COMPOSITIONAL ANALYSIS IN DISTRIBUTED SYSTEMS	4	19/06/95	LUGINBUHL	
9	State University of New York	RX TORY	2000			
•	NEW ROBUST ESTIMATION/DETECTION TECHNIQUES WITH	WITH APPLICATIONS TO		9 i		
0	WIRELESS COMA COMMUNICATIONS Obio State Univ Research Foundation	Mitra	Urbeshi	\$109,257	2006KEN 95-NM-301	
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	MATHEMATICAL PROBLEMS IN IMAGING, STRIESTICAL F RELATED TOPICS	MECHANICS AND		19/06/95	NACHMAN	
	Univ of California, Berkeley	Grunbaum	F. Alberto	\$958,597	95-NM-302	
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(SCALAR AND VECTOR MAYELET BASED LES FOR TURBULENT Premixed combustion	ENT NONPREMIXED AND		19/06/95	NACHMAN	
9	Univ of Houston	Zimin	Valery	\$425,326	55-NM-303	
0	REASONING UNDER UNCERTAINTY			N 12	200	
ୀ	IBM Almaden Research Center	Halpern	Joseph	\$76,995	40E-XX-36	
V.	LOGISTICS WORKSHOP			N 07	Z	\$20,000
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PROPOSAL STATUS REPORT (1 APR 95 - 30 JUN 95) AIR FORCE OFFICE OF SCIENTIFIC RESEARCH DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES	IMVESTIGATOP		Suckession	OMPRESSION SYSTEMS	Abed	STRAINED SYS	Flooudes	
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